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(54) LONG-ACTING TYPE DIGESTIVE TRACT MOVEMENT PEPTIDE

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain a compound (salt) having digestive tract movement activity excellent in persistency, useful for treating a diabetic stomach anesthesia, torporific intestinal blockage, etc., by bonding a polyalkylene glycol to a peptide having digestive tract movement activity.

SOLUTION: One or more polyalkylene glycols such as a polyalkylene glycol of the formula [R1 is an alkyl or an alkanoyl; M1 is (OCH₂CH₂)_r-(OCH₂CH₂CH₂)_s (r and s are each an integer of ≥ 0); X1 is a single bond or a (CH₂)_t (t is 1-5); R2 is a group having reactivity to a peptide having digestive tract movement activity or the like] are bonded to the peptide having digestive tract movement activity such as motilin directly or through a spacer such as cysteine. The

polyalkylene glycols have preferably 1,000-1,000,000 average molecular weight. Preferably, the dose of the compound (salt) is 25-500 µg per adult daily.

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